



Edgetek™ AS-000/000 AS NC505

Acrylonitrile Butadiene Styrene

Key Characteristics

Product Description	
Permanently Antistatic	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Features	• Antistatic
Appearance	• Natural Color
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.05	1.05	ASTM D792
Molding Shrinkage - Flow	4.0E-3 to 6.0E-3 in/in	0.40 to 0.60 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ²	5800 psi	40.0 MPa	ASTM D638
Flexural Modulus ³	264000 psi	1820 MPa	ASTM D790
Flexural Strength ³	8700 psi	60.0 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.126 in (3.20 mm)	5.6 ft-lb/in	300 J/m	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed, 0.126 in (3.20 mm)	176 °F	80.0 °C	
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+9 to 1.0E+11 ohms	1.0E+9 to 1.0E+11 ohms	ASTM D257
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.06 in (1.6 mm))	HB	HB	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 185 °F	80 to 85 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Rear Temperature	392 to 464 °F	200 to 240 °C
Middle Temperature	392 to 464 °F	200 to 240 °C
Front Temperature	392 to 464 °F	200 to 240 °C
Mold Temperature	149 to 185 °F	65 to 85 °C

Injection Notes

Injection Pressure: MED-HIGH
Hold Pressure: MED-HIGH
Screw Speed: MODERATE
Back Pressure: LOW

Notes

¹ Typical values are not to be construed as specifications.

² 2.0 in/min (50 mm/min)

³ 0.051 in/min (1.3 mm/min)